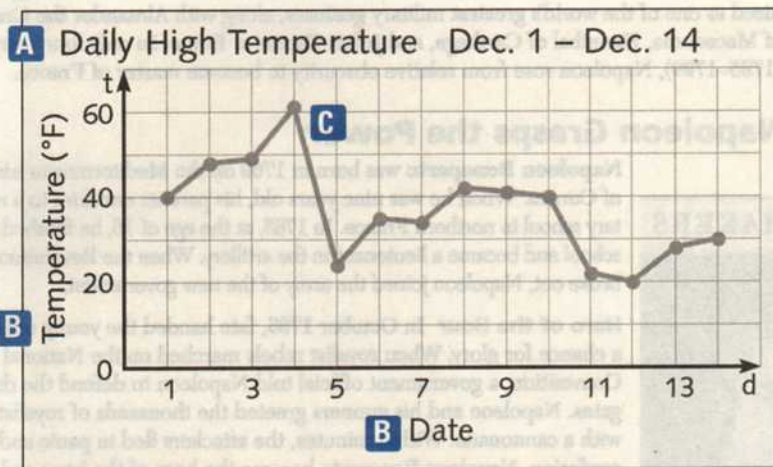


Graphs are used to visually present information. Different kinds of graphs include bar graphs, circle or pie graphs, and line graphs. A **line graph** shows how something changes over time. The following tips can help you read a line graph quickly and accurately. As you read each tip, look at the line graph on this page.

- A** Read the **title** to find out what the graph is about.
- B** Read the **labels** to find out what kind of information is shown. When you read a line graph, study the labels on the **vertical axis** (up and down) and the **horizontal axis** (side to side).
- C** Study the **visual pattern** of information. Line graphs use a series of points and lines to visually represent data, or information.



**MARK IT UP** Use the line graph and the tips above to answer these questions.

- What is the title of the graph? \_\_\_\_\_
- What information is provided on the vertical axis? \_\_\_\_\_  
\_\_\_\_\_
- What information is provided on the horizontal axis? \_\_\_\_\_  
\_\_\_\_\_
- When did the highest daily temperature occur during this time period? \_\_\_\_\_  
\_\_\_\_\_

To read a map correctly, you have to identify and understand its elements. Look at the example below as you read each strategy in this list.

**A** Scan the **title** to understand the content of the map.

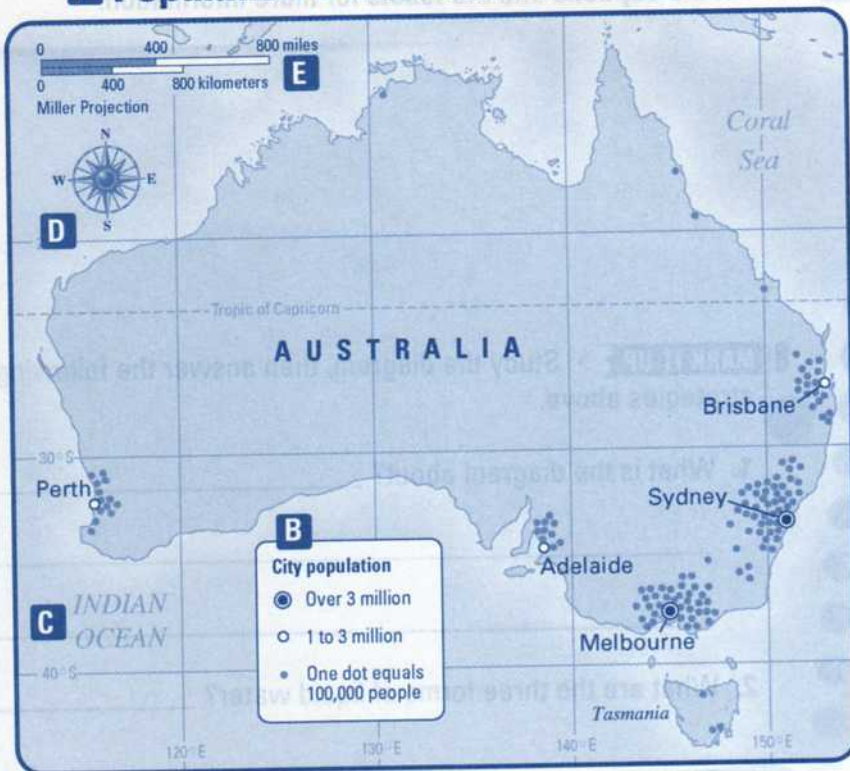
**B** Study the **legend**, or **key**, to find out what the symbols and colors on the map stand for.

**C** Study **geographic labels** to understand specific places on the map.

**D** Look at the **compass rose**, or **pointer**, to determine direction.

**E** Look at the **scale** to find out how the distances on the map relate to actual distances.

### A Population Distribution of Australia



**MARK IT UP** Use the map to answer the following questions.

1. What is the purpose of this map? \_\_\_\_\_
2. Near which two cities do most people in Australia live? \_\_\_\_\_  
\_\_\_\_\_
3. What is the name of the island on which approximately 300,000 people live?  
\_\_\_\_\_
4. This map shows distance using miles and \_\_\_\_\_.

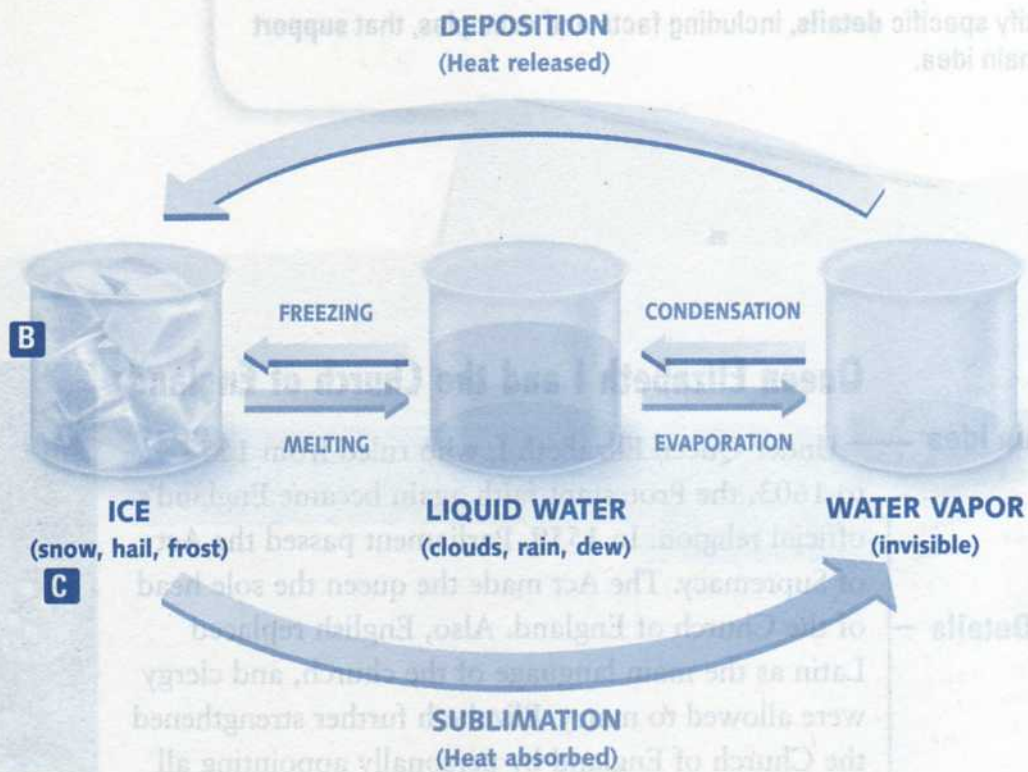
Diagrams combine pictures with a few words to provide a lot of information. Look at the example on the opposite page as you read each of the following strategies.

- A** Look at the **title** to get a quick idea of what the diagram is about.
- B** Study the **images** closely to understand each part of the diagram.
- C** Look at the **captions** and the **labels** for more information.

### MARK IT UP

Study the diagram, then answer the following questions using the strategies above.

1. What is the diagram about? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. What are the three forms of liquid water? \_\_\_\_\_  
\_\_\_\_\_
3. What happens if water vapor condenses? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. Trace the arrow that shows when heat is released.
5. How does ice become water vapor? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Heat released



Heat absorbed

